

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

11003 U.S. PTO  
10/020139  
12/18/01

10 30 50  
CACGAGATTT CATGAGCATCCTCCTCTAAACGCGTGTCAAGACAAAAGATGCTTCAGCTT  
M L Q L  
70 90 110  
TGGAACTTGTTCTCCTGTGCGGCGTGCTCACTGGGACCTCAGAGTCTCTTCTTGACAAT  
W K L V L L C G V L T G T S E S L L D N  
130 150 170  
CTTGGAATGACCTAAGCAATGTCGTGGATAAGCTGGAACCTGTTCTTCACGAGGGACTT  
L G N D L S N V V D K L E P V L H E G L  
190 210 230  
GAGACAGTTGACAATACTCTTAAAGGCATCCTTGAGAACTGAAGGTCGACCTAGGAGTG  
E T V D N T L K G I L E K L K V D L G V  
250 270 290  
CTTCAGAAATCCAGTGCTTGGAACCTGGCCAAGCAGAAGGCCAGGAAGCTGAGAAATTG  
L Q K S S A W Q L A K Q K A Q E A E K L  
310 330 350  
CTGAACAATGTCATTTCTAAGCTGCTTCCAACCTAACACGGACATTTTGGGTTGAAAATC  
L N N V I S K L L P T N T D I F G L K I  
370 390 410  
AGCAACTCCCTCATCCTGGATGTCAAAGCTGAACCGATCGATGATGGCAAAGGCCTTAAC  
S N S L I L D V K A E P I D D G K G L N  
430 450 470  
CTGAGCTTCCCTGTCACCGCGAATGTCACTGTGGCCGGGCCCATCATGGCCAGATTATC  
L S F P V T A N V T V A G P I I G Q I I  
490 510 530  
AACCTGAAAGCCTCCTTGACCTCCTGACCGCAGTCACAATTGAACTGATCCCCAGACA  
N L K A S L D L L T A V T I E T D P Q T  
550 570 590  
CACCAGCCTGTTGCCGTCCTGGGAGAATGCCCAGTGACCCAACCAGCATCTCACTTTCC  
H Q P V A V L G E C A S D P T S I S L S  
610 630 650  
TTGCTGGACAAACACAGCCAAATCATCAACAAGTTCGTGAATAGCGTGATCAACACGCTG  
L L D K H S Q I I N K F V N S V I N T L  
670 690 710  
AAAAGCACTGTATCCTCCCTGCTGCAGAAGGAGATATGTCCACTGATCCGCATCTTCATC  
K S T V S S L L Q K E I C P L I R I F I  
730 750 770  
CACTCCCTGGATGTGAATGTCATTGAGCAGGTCGTCGATAATCCTCAGCACAAAACCCAG  
H S L D V N V I Q Q V V D N P Q H K T Q  
790 810 830  
CTGCAAACCTCATTTGAAGAGGACGAATGAGGAGGACCACTGTGGTGCATGCTGATTGG  
L Q T L I \*  
850 870 890  
TTCCAGTGGCTTGCCCCACCCCTTATAGCATCTCCCTCCAGGAAGCTGCTGCCACCAC  
910 930 950  
CTAACAGCGTGAAAGCCTGAGTCCCACCAGAAGGACCTTCCAGATACCCCTTCTCCTC  
970 990 1010  
ACAGTCAGAACAGCAGCCTCTACACATGTTGTCTGCCCCTGGCAATAAAGGCCCATTTT  
TGCAAAAA

FIG. 1

APPROVED	Q. G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

	1	50
moPSP	MFQLGSLVVL CGLLIGNSES LLGELGSAVN N.....	...LKILNPP
ratPSP	MFQLGSLVVL CGLLIGTSES LLGDVANAVN N.....	...LDILNSP
ratSMGAPSP	MFQLGSLVVL CGLLIGTSGS LFD.....	.....
HPSP	MLQLWKLVL CGVLTGTSES LLDNLGNDLS NVVDKLEPVL	HEGLETVDNT
	51	100
moPSP	SEAVPQNLNL DVELLQQATS WPLAKNSILE TLNTADLGNL	KSFTSLNGLL
ratPSP	SEAVAQNLNL DVGSLQQATT WPSAKDSILE TLNKVELGNS	NGFTPLNGLL
ratSMGAPSP	...IFQNP EL DVESV.....	WSEINYRIRY ALETMDLML ADYLSKRGIE
HPSP	LKGILEKLKV DLGVLQKSSA WQLAKQKAQE AEKLLNNVIS	KLLPTNTDIF
	101	150
moPSP	.LKINNLKVL DFQAKLSSNG NGIDLTVPPLA GEASLVLPFI	GKTVDISVSL
ratPSP	.LRVNFVRVL DLQAGLSSNG KDIDLKPLV FEISFSLPVI	GPTLDVAVSL
ratSMGAPSP	.LKIKDLRIL NLNHEVSPNG DEVTLMKMPMA LNASLSLPA	DLTTDVSSIM
HPSP	GLKISNSLIL DVKAEPIDG KGLNLSFPVT ANVTVAGPII	GQIINLKASL
	151	200
moPSP	DLINLSIKT NAQTGLPEVT IGKCSSNTDK ISISLLGRRL	PIINSILDGV
ratPSP	DLINSVSVQT NAQTGLPGVT LGKCSGNTDK ISISLLGRRL	PFVNRILDGV
ratSMGAPSP	EAITSFAIEK DPKTGRRVLN MQRCSLNTDN TSISLLNRKS	NFVNLAALDSA
HPSP	DLTAVTIET DPQTHQPVAV LGECASDPTS ISLSLLDKHS	QIINKFVNSV
	201	250
moPSP	STLLTSTLST VLQNFLCPPL QYVLS.TLNP SVLQGLLSNL	LAGQVQLAL.
ratPSP	SGLLTGAVSI LLQNILCPVL QYLLS.TMSG SAIQGLLSNV	LTGQLAVPL.
ratSMGAPSP	LYLIKRGTL PVRRLCPVL QLIISNTFHP DEISNPQTAI	ST.....
HPSP	INTLKSTVSS LLQKEICPLI R.IFIHSLDV NVIQQVVDNP	QHKTQLQTLI

**FIG. 2**

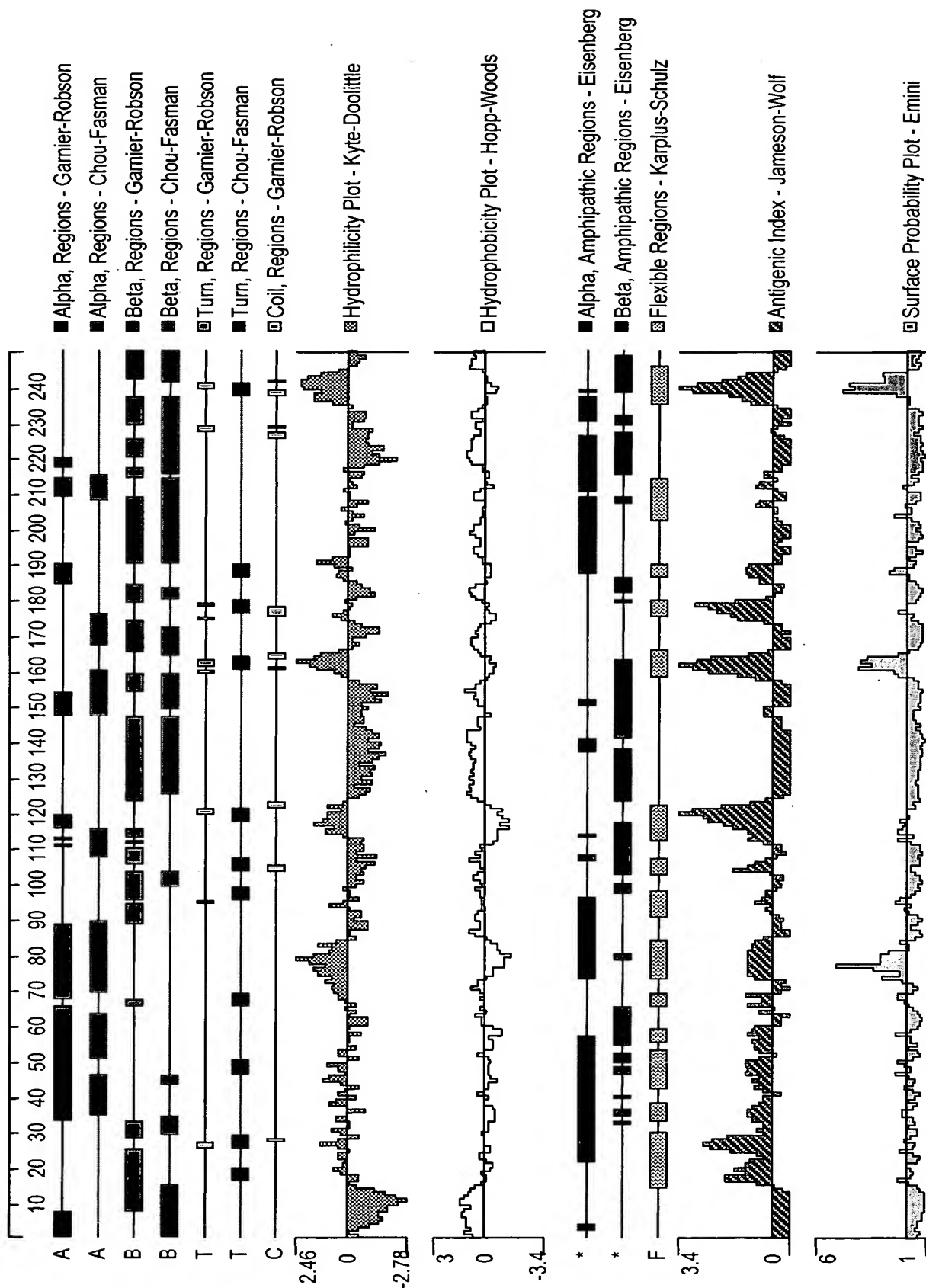


FIG. 3